

IN THE CLAIMS

Please amend Claims 11-13 as follows.

1-10. (Canceled)

11. (Currently Amended) An imaging apparatus comprising:

a photoelectric conversion area including a plurality of photoelectric converters;

a controller configured to ~~control a first mode for continuously reading out, from the photoelectric conversion area, perform a plurality of image data acquired by a plurality of image-taking operations performed at a plurality of different charge accumulation times, respectively, and a second mode for continuously reading out, from the photoelectric conversion area, a plurality of correction data, acquired at different times than the plurality of charge accumulation times later in time than the plurality of charge accumulation times during which the plurality of image data are acquired in the first mode, having the same duration as the plurality of charge accumulation times, respectively; in a state where the photoelectric conversion area is not shielded by a shutter[[:]], and perform a plurality of dark capture operations at the plurality of different charge accumulation times, respectively, in a state where the photoelectric conversion area is shielded by the shutter after completion of performing the plurality of image-taking operations; and~~

an image processor for ~~correcting the plurality of image data by using the plurality of correction data~~ configured to correct a plurality of image data which is acquired in the plurality of image-taking operations with a plurality of correction data which is acquired in the plurality of dark capture operations,

wherein the plurality of different charge accumulation times of the dark capture operations are equal to that of the imaging apparatus operates in the second mode after the first mode image-taking operations.

12. (Currently Amended) ~~An~~ The imaging apparatus according to Claim 11, wherein the photoelectric conversion area includes an optical black area covered with a shield for shielding light from the optical black area and the image processor corrects the image data on the basis of optical black data obtained from the optical black area every time the plurality of image data is acquired in the first mode and then corrects the image data corrected with the optical black data by using the correction data acquired in the second mode at least two of the accumulation times for generating the correction data in the dark capture operations are different, and the dark capture operations are performed in the same order as the image taking operations.

13. (Currently Amended) ~~An~~ The imaging apparatus according to claim 11, wherein in the second mode, the controller acquires, in the same order as used to acquire the plurality of image data in the first mode, the plurality of correction data at different times than the plurality of charge accumulation times, and

wherein in a case where a plurality of image data are acquired at a plurality of charge accumulation times having a same duration in the first mode, the controller acquires correction data to be used to correct the plurality of image data acquired at the plurality of charge accumulating times having the same duration during a plurality of charge accumulating times having the same duration in the second mode at least two of the

accumulation times for generating the correction data in the dark capture operations are different, and the dark capture operations are performed in ascending order of the image taking operations.